GUARDIAN S

INDOOR COB 1.2 MM

BROTECH INNOVATION GMBH
Kötztingerstr. 90, 90480 Nürnberg
www.brotech-innovation.com
info@brotech-innovation.com



Guardian S is a professional indoor COB LED display designed for applications that require exceptional image quality and flexible installation. Based on advanced Flip Chip COB technology, it combines a lightweight and ultra slim cabinet with outstanding contrast, accurate color reproduction, and reliable **24/7** performance.

Advanced Cabinet Design

Guardian S features a lightweight 4.7 kg cabinet with a thickness of just 27.4 mm, making installation fast and efficient. Manufactured from precision CNC die cast aluminum, it provides excellent heat dissipation and long term durability. Side locks, magnetic modules, hot swap capability, and true plug and play functionality simplify installation and maintenance.

24/7 Reliable Operation

Designed for continuous 24/7 operation, Guardian S supports optional power and data redundancy to ensure reliable performance in mission critical applications. The system is built to maintain stable operation and minimize downtime, making it ideal for environments where uninterrupted performance is essential.

Visual Excellence

Guardian S delivers exceptional image quality with outstanding black consistency, accurate color reproduction, and high contrast. The advanced polymer coating reduces reflections and protects the display from dust, mildew, static electricity, and accidental impact. The smooth COB surface can be cleaned with a wet cloth for quick and easy maintenance.

Pixel pitch (mm):
1.25

Cabinet resolution (WxH):
480x270

Cabinet size (WxHxD), mm:
600x337.5x27.4 (27")

Net.weight/cabinet:
4.7 kg

Cabinet material:
Die-casting aluminum

Maintenance:
Front

IP Rating:
Front IP40 / Rear IP30

Brightness (cd/m2):
600

Max./Avg. power consumption:
247 W / 100 W (per m2)

Viewing angle (H/V):
160° / 140°

LED lifetime:
100,000 hrs

Certificates:
CE; FCC; cTUVus; RoHs; Class A

This document is © 2026 BroTech Innovation GmbH. All rights reserved. All hardware and software names are trademarks and/or registered trademarks of their respective owners. Specifications are subject to change without notice. Errors and omissions excepted